

4. (Amended) System according to Claim 1, characterized in that the filter is arranged between the gear pump and a spraying head.

5. (Amended) System according to Claim 1, characterized in that the screw casing has at least one conical part, and the screw has, in the area of the conical part, at least one tapering, and in that, for the controlled feeding of energy into the pumping medium, the screw is axially displaceable in the screw casing.

6. (Amended) System according to Claim 5, characterized in that the tapering of the screw increases viewed in the delivery direction of the medium.

7. (Amended) System according to Claim 5, characterized in that the screw has a double-helix-type construction.

8. (Amended) System according to Claim 5, characterized in that a tangential plane on the screw in the area of the tapering encloses an angle of from 2 to 10°, preferably 8°, with the center axis of the screw.

9. (Amended) System according to Claim 5, characterized in that the length of the screw is less than five times, preferably three times, the diameter of the screw.

11. (Amended) System according to Claim 5,
characterized in that the screw-type extruder has a
cylindrical part in addition to the conical part.

13. (Amended) System according to Claim 5,
characterized in that the length of the cone is less than the
diameter of the screw.

14. (Amended) System according to Claim 1,
characterized in that the screw and/or the screw casing each
have one hollow space respectively with at least two openings
for admitting and discharging a temperature adjusting medium.

15. (Amended) Use of the system according to Claim 1 for
delivering elastomeric media, particularly caoutchouc.

16. (Amended) Method of operating the system according
to Claim 2, characterized in that, when a metal piece is
detected, the delivery of the pumping medium is interrupted in
that the drives of the screw and of the gear pump are stopped.

17. (Amended) Method of operating the system according
to Claim 2, characterized in that a detection of a metal piece
is indicated to an operator who intervenes in the transport

process of the pumping medium for removing the metal piece
without requiring an interruption of the production process.
